

## Site: Acqua Campus, Bologna - Italy (CER - UNIBO)

In this site two crops will be tested: Millet and Quinoa



**Climate:** Sub-continental climate, with hot and humid summers and cold, foggy winters

**Altitude:** 10 m a.s.l.

**Average rainfall in the last 10 years:** about 700 mm

**Available source of irrigation:** Surface Flow Constructed Wetland (SFCW) and precipitation

**Irrigation methods:** Solid set irrigation system with slow-rotating sprinkler heads

**Growing period:**

	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
Millet									●	→	→	→
Quinoa					●	→	→	→	→	→	→	→

### Interventions:

- Conservation-oriented agronomic management
- Use of millet and quinoa as innovative crops in irrigated-food/feed value chains
- Adoption of different irrigation/fertilization regimes
- Monitoring crop growth and yield
- Monitoring water/nutrient use efficiency
- Monitoring of soil water balance and soil moisture
- Use of decision support systems for irrigation scheduling
- Dissemination of results through workshops and field visits